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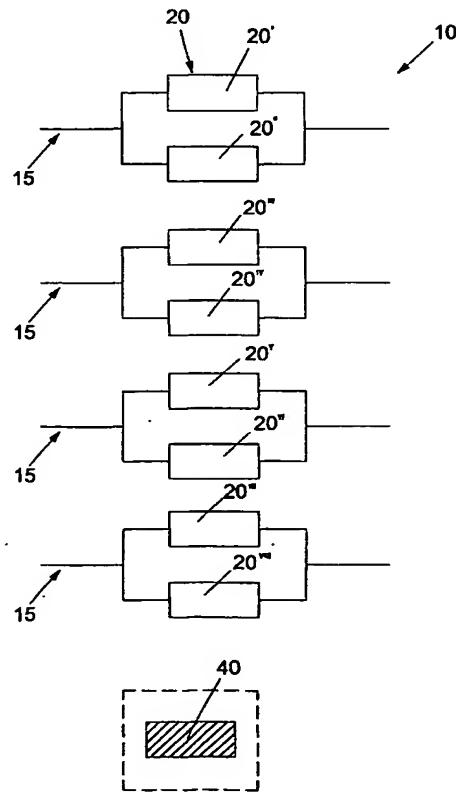
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*[Continued on next page]*

(54) Title: PROCEDURE FOR CONTROLLING THE USEFUL LIFE OF THE GAS TURBINES OF A PLANT



(57) Abstract: Procedure for controlling the useful life of the gas turbines of a plant by means of a production plant (10) equipped with a series of production trains (15) and an auxiliary gas generator group (40). Each production train (15) is in turn equipped with a series of gas turbine groups (20), each of which in turn includes a gas generator. The procedure comprises the following phases: a) creating a succession (20' 20'', 20''' . . . ) of gas generator groups of gas turbines (20) to be subjected to maintenance; b) substituting the first gas generator group of gas turbines (20') of the succession (20', 20'', 20''' . . . ) with the auxiliary gas generator group (40), to keep the production plant (10) functioning almost continuously; c) controlling the first substituted gas generator group of gas turbines (20'), by subjecting it to ordinary maintenance operations; d) substituting the second gas generator group of gas turbines (20'') of the succession (20', 20'', 20''' . . . ) with the first controlled gas generator group of gas turbines (20'); e) controlling the second substituted gas generator group of gas turbines (20''), by subjecting it to ordinary maintenance operations; f) repeating said phases b), c) d) and e) for all the gas generator groups of gas turbines (20) of the succession (20', 20'', 20''' . . . ) until all the gas generator groups of the gas turbines (20) of the plant (10) have been subjected to control and maintenance.

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